

T<sub>11</sub> +1 231 995 4000 F<sub>1</sub> +1 231 943 2129 www RiversideEM com

September 9, 2020

UIC Branch (WU-16J) US EPA region 5 77 W. Jackson Blvd. Chicago, IL 60604-3590

Re:

Class II Permit Application for Enhanced Recovery Well Chessplay Project, Antrim County, MI

Green River D4-7

Ms. Hansen,

Per your request, attached are revised wellbore schematics and P&A plan for the above referenced well. Corrections were necessary to eliminate confusion regarding construction of the well, mainly the absence of an open hole below the production casing. Since the Green River D4-7 was originally constructed as a gas production well, it was perforated in the Antrim zone. Proposed CO2 injection is intended in the perforated interval. There is no open hole below production casing; space below casing shoe is filled with cement. Plug back depth for the well is the same as the bottom of the production casing depth (987').

Revised wellbore schematics and P&A plan are replacing the originally submitted documents.

If there are any questions, please contact Ms. Natalie Schrader of my staff at 231-995-4076 or reach her at nschrader@riversideem.com

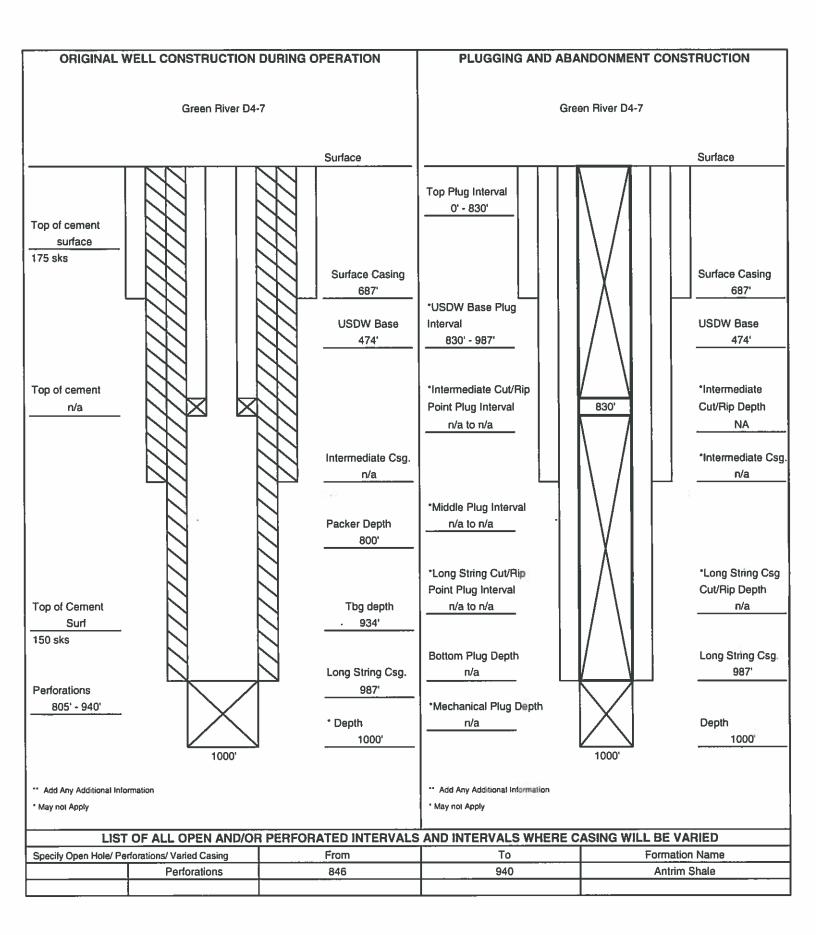
Sincerely,

James Schramski,

**VP Operations** 

1	-11		ÜNITE			AL PROTECTION	AGENCY				
			-		WASHINGTON,						
						<u>NDONMENT</u>					
WELL NAM	E & NUMBER, I	FIELD NAME, LE	ASE NAM	E & NUMBER		NAME, ADDRESS, & PHONE NUMBER OF OWNER / OPERATOR					
						Riverside Energy Michigan, LLC.					
Green River D4-7						10691 E. Carter Rd. Suite 201					
						Traverse City, MI 49684					
						231-995-4001					
			STATE		COUNTY				STATE PERMIT NUMBER		
	/ell and Outline \ Plat - 640 Acres	Unit on	MI SURFACE L	OCATION DESCR	Antrim		<del></del>	Pending			
00000111			SE/SE, Sec. 7, T30N-R6W								
!!	1 1	! !	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT								
<del>                                   </del>	!		Surface Location 423 ft. From (N/S) SOUTH Line of Quarter Section								
			And 44/ It. From (E/W) EAST Line of Quarter Section								
			TYPE OF AUTHORIZATION				WELL	Class I			
			☑ Individual Permit				ACTIVITY	☐ Hazardous ☐ Nonhazardous			
			Rule				1		azardous		
								☑ Class II	Discount		
			☐ Area Permit					☐ Brine			
								☐ Hydrocarbon Storage ☑ Enhanced Recovery ☐ Class III			
		X	Number of Wells in Area Permit:			1	1				
		70						_			
			US EPA Permit Number			Pending		☐ Class IV			
CASING/TUBING/CEMENT RECORD AFTER PLUGGING AND ABANDONMENT METHOD OF EMPLACEMENT										MENT	
Size Wt (Ibrtt) TBG/CSQ Original Amount (CSQ)				on Left in Well	Hole Size	Sacks Coment Used	Туре	OF CEMEN			
13-3/8"	Conductor	52'	52'		Driven	Driven	-	☐ Balance Method☐ Dump Bailer Method			
7"	20#	687'	687'		12-1/4"	175 sks	unknown				
4-1/2"	9.5#	987'		987'	7-7/8"	150 sks	unknown	☐ Two Plug Method			
								☑ Other			
		ABANDON D	ÀΤΑ	Plug # 1	Plug # 2	Plug # 3	Plug # 4	Plug # 5	Plug #6	Plug #7	
		Will Be Placed (inches)	<i>(</i>	4-1/2"			-		-		
Calculated Top Measured Top				Surface n/a					1	-	
Depth to Botto	n of Plug (fl.)	·-		987'							
Sacks of Came				76 90				-	-		
Slurry Weight (	to be Used (cu. Ft.) lb./gal.)			15.6			1	<del>                                     </del>	<del>                                     </del>	$\overline{}$	
	nt, Spacer or Other M	atenal Used		Class A							
Type of Preflus	ih Used					<u> </u>		<u> </u>			
DESCRIPTION OF PLUGGING PROCEDURE  Mt Service Unit. TOH w/ packer & tubing. TIH w/ flow-thru retainer. Set retainer at 830'. TOH w/ tbg. Pump 12 sacks and drop wiper plug. Pump 64 sacks to surfacture cut csg 4' below ground level. Weld plate on sub. Restore location.											
			ESTIN	IATED COS	T OF PLUGG	NG AND ABAN	DONMENT				
Cement \$10,000 Cast Iron Bridg											
Logging \$0 Cement Retain											
Rig or Pulli	ng Unit			\$4,000							
	all attachments I believe that th	s and that, based he information is t	on my inqu rue, accur	iiry of those ir ate, and comp	ndividuals imme nlete. I am awar	ATION  ith the information diately responsible that there are sign f 40 CFR 144 32)	e for obtaining th gnificant penalti	he information,		\$25,000	
NAME AND C	EEICIAI TITLE					SIGNATURE			DATE SIGNED		
NAME AND OFFICIAL TITLE							in Sale	amabi	1		
Jim Schramski, VP Operations Jim Schramski 09/09/20											

EPA Form 7520-14



## RIVERSIDE ENERGY MICHIGAN, LLC GREEN RIVER D4-7 CHESSPLAY

